(c) storing data representative of a time of occurrence of each event;

(d) analyzing the data to classify segments of the video signal between events as one of a first and second category;

(e) positioning the recording medium to beginning and ending positions of each segment of the video signal classified as the second category;

(f) marking the recording medium with a second type of mark in predetermined relationship to a corresponding first type of mark at each of said beginning positions;

(g) marking the recording medium with a third type of mark in predetermined relationship to a corresponding first type of mark at each of said ending positions.

16. (Amended) A method of cueing a pre-recorded video tape to a desired segment comprising the steps of:

(a) rewinding the tape to the beginning of the tape;

(b) advancing the tape;

(c) monitoring the video signal recorded on the tape as it is advanced to automatically detect events therein, each of said events occurring within viewable lines of a video frame;

(d) storing data representative of a time of occurrence of each event;

(e) analyzing the data to classify one such event as marking the beginning of the desired segment; and;

(f) rewinding the tape to said event classified as marking the beginning of the desired segment.

Please add the following new claims 19-39:

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--19. A method of automatically cueing a pre-recorded video tape to a program segment comprising the steps of:

(a) moving the video tape at a speed faster than a normal play speed;

(b) monitoring a video signal recorded on the video tape as it is moved to automatically detect an event therein associated with the program segment, said event occurring within viewable lines of a video frame;

(c) playing the video tape at a normal play speed beginning at a position corresponding to said event in the video signal associated with the program segment.

20. The method of claim 19 wherein the video tape is moved in a forward direction at a speed faster than a normal play speed.

21. The method of claim 19 wherein the step of monitoring the video signal includes gating the video signal to exclude noise bars.

22. The method of claim 19 wherein the step of monitoring a video signal comprises detecting a plurality of events in the video signal and measuring a time interval between successive detected events.

23. The method of claim 22 wherein the event associated with the program segment is determined as a latest of the plurality of detected events for which there is no successive detected event occurring within a predetermined period of time thereafter.

24. The method of claim 23 further comprising the step, after detecting the event associated with the program segment, of reversing the video tape to the position corresponding to said event associated with the program segment.

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25. An apparatus for automatically cueing a pre-recorded video tape to a program segment comprising:

(a) means for moving the video tape at a speed faster than a normal play speed;

(b) means for monitoring a video signal recorded on the video tape as it is moved to automatically detect an event therein associated with the program segment, said event occurring within viewable lines of a video frame;

(c) means for playing the video tape at a normal play speed beginning at a position corresponding to said event in the video signal associated with the program segment.

26. The apparatus of claim 25 wherein the video tape is moved in a forward direction at a speed faster than a normal play speed.

27. The apparatus of claim 25 further comprising means for gating the video signal to exclude noise bars.

28. The apparatus of claim 25 wherein the means for monitoring a video signal comprises means for detecting a plurality of events in the video signal and means for measuring a time interval between successive detected events.

29. The apparatus of claim 26 further comprising means for reversing the video tape to the position corresponding to said event associated with the program segment.

30. A method of automatically cueing a pre-recorded video tape to a program segment comprising the steps of:

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(a) advancing the video tape;

(b) monitoring a video signal recorded on the video tape as it is advanced to automatically detect events therein, each of said events occurring within viewable lines of a video frame;

(c) storing data representative of a time of occurrence of a detected event associated with the program segment;

(d) reversing the video tape to a position corresponding to the time of occurrence of the detected event associated with the program segment.

31. The method of claim 30 wherein the video tape is advanced at a speed faster than a normal play speed.

32. The method of claim 31 wherein the step of monitoring the video signal includes gating the video signal to exclude noise bars.

33. The method of claim 30 wherein the step of storing data comprises storing data representative of a time of occurrence of each of a plurality of detected events in the video signal.

34. The method of claim 33 wherein the event associated with the program segment is determined as a latest of the plurality of detected events for which there is no successive detected event occurring within a predetermined period of time thereafter.

35. An apparatus for automatically cueing a pre-recorded video tape to a program segment comprising:

(a) means for advancing the video tape;

(b) means for monitoring a video signal recorded on the video tape as it is advanced to automatically detect events therein, each of said events occurring within viewable lines of a video frame;

(c) means for storing data representative of a time of occurrence of a detected event associated with the program segment;

(d) means for reversing the video tape to a position corresponding to the time of occurrence of the detected event associated with the program segment.

36. The apparatus of claim 35 wherein the video tape is advanced at a speed faster than a normal play speed.

37. The apparatus of claim 36 further comprising means for gating the video signal to exclude noise bars.

38. The system of claim 15 wherein the first, second and third types of mark are each distinct from the others.

39. The system of claim 38 wherein each of the first, second and third types of mark are recorded on a control track of the recording medium. --

Concl. A2

Respectfully submitted,

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